

Sun Feb 15 07:29:58 2004

US-10-083-336a-5.rai

Page 1

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

W protein - protein search, using sw model

February 10, 2004, 16:18:30 : Search time 11.5063 Seconds  
(without alignments)  
731.761 Million cell updates/sec

US-10-083-336a-5  
1 MFPKQYPIINFTAGATVQ.....ARFOYEENETRIYRNR6 199

erfect score: 1025

sequence: 1025

BLASTSUM62  
Gapop 10.0, Gapext 0.5

328717 seqs, 42310858 residues

328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Maximum Match 0%

Listing first 45 summaries

Issued Patence 2A:  
1: /cgm2\_6/prodata/1/1aa/5A.COMB.pep.\*  
2: /cgm2\_6/prodata/1/1aa/5B.COMB.pep.\*  
3: /cgm2\_6/prodata/1/1aa/6A.COMB.pep.\*  
4: /cgm2\_6/prodata/1/1aa/6B.COMB.pep.\*  
5: /cgm2\_6/prodata/1/1aa/PCTUS.COMB.pep.\*  
6: /cgm2\_6/prodata/1/1aa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1025	100.0	268	2	US-08-356-786-8
2	1025	100.0	534	2	US-08-356-786-10
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4	1020	99.5	267	1	US-07-988-430-1
5	1020	99.5	267	1	US-08-425-336-1
6	1020	99.5	267	1	US-08-488-113B-1
7	1020	99.5	267	1	US-08-477-484B-1
8	1020	99.5	267	2	US-08-646-360-1
9	1020	99.5	267	3	US-08-839-765-1
10	1020	99.5	267	3	US-09-136-389-1
11	1020	99.5	267	4	US-09-610-838-1
12	1020	99.5	267	5	PCT-US92-09487-1
13	1020	99.5	267	1	US-08-378-761A-27
14	1020	99.5	267	1	US-08-485-286-27
15	1020	99.5	267	6	5248606-4
16	1010	98.5	267	1	US-08-318-303-16
17	1010	98.5	267	2	US-08-338-793D-51
18	1010	98.5	267	4	US-09-538-873-1
19	930.5	90.8	540	1	US-08-378-761A-77
20	930.5	90.8	540	1	US-08-485-286-77
21	342	33.4	267	1	US-08-488-113B-6
22	342	33.4	267	1	US-08-477-484B-6
23	342	33.4	267	2	US-08-646-360-6
24	342	33.4	267	3	US-08-839-765-6
25	342	33.4	267	3	US-09-136-389-6
26	342	33.4	267	4	US-09-610-838-6
27	342	33.4	267	1	US-08-378-761A-74

28	342	33.4	267	1	US-08-485-286-74	Sequence 74, Appl
29	342	33.4	289	1	US-07-923-692C-4	Sequence 4, Appl
30	342	33.4	289	1	US-08-184-237-4	Sequence 4, Appl
31	342	33.4	289	2	US-08-482-920-4	Sequence 4, Appl
32	342	33.4	289	3	US-08-484-341-4	Sequence 4, Appl
33	342	33.4	289	3	US-08-483-503-4	Sequence 4, Appl
34	342	33.4	289	4	US-09-726-651A-4	Sequence 4, Appl
35	341.5	33.3	282	1	US-08-324-301-15	Sequence 15, Appl
36	329.5	32.1	250	1	US-08-378-761A-71	Sequence 71, Appl
37	329.5	31.6	251	4	US-09-538-873-3	Sequence 3, Appl
38	323.5	30.5	255	1	US-07-901-707-6	Sequence 6, Appl
39	312.5	30.5	255	1	US-07-988-430-6	Sequence 6, Appl
40	312.5	30.5	255	1	US-08-425-336-6	Sequence 6, Appl
41	312.5	30.5	255	5	PCT-US92-09487-6	Sequence 6, Appl
42	312.5	30.4	248	3	US-08-902-466-7	Sequence 7, Appl
43	312	30.4	290	1	US-08-245-754A-2	Sequence 2, Appl
44	312	30.4	290	2	US-08-597-731-2	Sequence 2, Appl
45	312	30.4	290	2	US-08-597-731-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1  
US-08-356-786-8  
Sequence 8, Application US/08356786  
Patent No. 5877305

GENERAL INFORMATION:

APPLICANT: Huston, James S.  
APPLICANT: Oppermann, Hermann  
APPLICANT: Houston, L. L.  
APPLICANT: Ring, David B.  
TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESS: Edmund R. Pitcher, Testa, Hurwitz, & Thibault  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA

ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/356, 786  
FILING DATE:

CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/831, 967  
FILING DATE: 06-FEB-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Pitcher, Edmund R.  
REGISTRATION NUMBER: 27,829  
REFERENCE/DOCKET NUMBER: CRP-053  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 248-7100  
TELEFAX: (617) 248-7100  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 268 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-356-786-8

Query Match 100.0%; Score 1025; DB 2; Length 268;  
Best local similarity 100.0%; Pred. No. 6e-112;  
Matches 199; Conservative 0; Mismatches 0; Indels 0;

QY 1 MIPKQYPIINTTGAATVQSYTNFIRAVRGRLTGGADVREHPIPLPNRVGLPINQREITL 60  
DB 1 MIPKQYPIINTTGAATVQSYTNFIRAVRGRLTGGADVREHPIPLPNRVGLPINQREITL 60  
QY 61 VELSNRAELSTVTLADVTNAYVGYRAGNSAYFFHPDNOEDAEITLFTDVQNRITFAF 120  
DB 61 VELSNRAELSTVTLADVTNAYVGYRAGNSAYFFHPDNOEDAEITLFTDVQNRITFAF 120  
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DB 121 GGNVDRLBOLAGNLEENELGNGPLEEALSYYSSTGQTLPLARSPFICIQMISEAA 180  
QY 181 RFOYIGEXERTIRIRYRRS 199  
DB 181 RFOYIGEXERTIRIRYRRS 199

## RESULT 2

US-08-356-786-10  
Sequence 10, Application US/08356786  
Patent No. 5877305

## GENERAL INFORMATION:

APPLICANT: Huston, James S.  
APPLICANT: Oppermann, Hermann  
APPLICANT: Houston, L. L.  
APPLICANT: Ring, David B.  
TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer  
TITLE OF INVENTION: Marker  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibault  
STREET: Exchange Place, 53 State Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/356,786  
CLASSIFICATION: 424  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/831,967  
FILING DATE: 06-FEB-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Pitcher, Edmund R.  
REGISTRATION NUMBER: 27,829  
REFERENCE/DOCKET NUMBER: CRP-053  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 248-7100  
INFORMATION FOR SEQ ID NO: 10:  
LENGTH: 534 amino acids  
SEQUENCE CHARACTERISTICS:  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-356-786-10

## Query Match

Best Local Similarity 100.0%; Score 1025; DB 2; Length 534;  
Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 3 MIPKQYPIINTTGAATVQSYTNFIRAVRGRLTGGADVREHPIPLPNRVGLPINQREITL 62  
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DB 63 VELSNRAELSTVTLADVTNAYVGYRAGNSAYFFHPDNOEDAEITLFTDVQNRITFAF 122  
QY 121 GGNVDRLBOLAGNLEENELGNGPLEEALSYYSSTGQTLPLARSPFICIQMISEAA 180  
DB 123 GGNVDRLBOLAGNLEENELGNGPLEEALSYYSSTGQTLPLARSPFICIQMISEAA 182  
QY 181 RFOYIGEXERTIRIRYRRS 199  
DB 183 RFOYIGEXERTIRIRYRRS 201

## RESULT 3

US-07-901-707-1  
Sequence 1, Application US/07901707  
Patent No. 5376546

## GENERAL INFORMATION:

APPLICANT: Bernhard, Susan L.  
APPLICANT: Better, Marc D.  
APPLICANT: Carroll, Steve F.  
APPLICANT: Lane, Julie A.  
TITLE OF INVENTION: Materials Comprising and Methods of  
Composition and Use for Ribosome-Inactivating Proteins  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &  
STREET: Two First National Plaza, 20 South Clark  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60603

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/901,707  
FILING DATE: 19920619  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/787,567  
FILING DATE: 04-NOV-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5376546and, Grete E.  
REGISTRATION NUMBER: 35,302  
REFERENCE/DOCKET NUMBER: 27129/30910  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (312) 346-5750  
TELEFAX: (312) 984-5750  
TELEX: 25-3856  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 267 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-901-707-1

Query Match 99.5%; Score 1020; DB 1; Length 267;  
Best Local Similarity 100.0%; Pred. No. 2,3e-111;  
Matches 198; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 IIPKQYPIINTTGAATVQSYTNFIRAVRGRLTGGADVREHPIPLPNRVGLPINQREITL 60  
QY 63 VELSNRAELSTVTLADVTNAYVGYRAGNSAYFFHPDNOEDAEITLFTDVQNRITFAF 121  
DB 61 VELSNRAELSTVTLADVTNAYVGYRAGNSAYFFHPDNOEDAEITLFTDVQNRITFAF 120  
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181 FOYIEGEMTRIRYNRS 198

RESULT 2

US-10-282-935-1  
Sequence 1, Application US/10282935  
Publication No. US20030143193A1

GENERAL INFORMATION:

APPLICANT: VITETTA, ELLEN S.  
APPLICANT: GHETIE, VICTOR F.  
APPLICANT: SMALLSHAW, JOAN  
APPLICANT: BALUNA, ROXANA G.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR MODIFYING TOXIC EFFECTS OF  
FILE REFERENCE: US/10/282,935

CURRENT FILING DATE: 2002-10-29  
CURRENT APPLICATION NUMBER: US/03/538,873

PRIOR FILING DATE: 2000-03-30  
PRIOR APPLICATION NUMBER: 60/126,826

PRIOR FILING DATE: 1999-03-30  
NUMBER OF SEQ ID NOS: 23

SOFTWARE: Patent Ver. 2.1

SEQ ID NO 1

LENGTH: 267

TYPE: PRT  
ORGANISM: Artificial Sequence

FEATURES:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-10-282-935-1

Query Match 100.0%; Score 1019; DB 12; Length 267;  
Best Local Similarity 100.0%; Pred. No. 2.2e-108;

Matches 198; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MYPKQPIINFTAGATVQSYTNFIRAVRGRLTTGADVREHIFVLPNVRGLPINOFTLV 60

1 MYPKQPIINFTAGATVQSYTNFIRAVRGRLTTGADVREHIFVLPNVRGLPINOFTLV 60

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181 FOYIEGEMTRIRYNRS 198

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181 FOYIEGEMTRIRYNRS 198

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181 FOYIEGEMTRIRYNRS 198

181 FOYIEGEMTRIRYNRS 198

SOFTWARE: Patent Ver. 2.1

SEQ ID NO 1

LENGTH: 267

TYPE: PRT  
ORGANISM: Artificial Sequence

FEATURES:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-10-440-796-1

Query Match 100.0%; Score 1019; DB 12; Length 267;  
Best Local Similarity 100.0%; Pred. No. 2.2e-108;

Matches 198; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 MYPKQPIINFTAGATVQSYTNFIRAVRGRLTTGADVREHIFVLPNVRGLPINOFTLV 60

61 ELSNHAELSVTLADVTNAYVGRAGNSAYFFHPDNOEDAEALITLFTDVONRTYPAFG 120

61 ELSNHAELSVTLADVTNAYVGRAGNSAYFFHPDNOEDAEALITLFTDVONRTYPAFG 120

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121 GNTDRLAQAGLRNIEELGNGPLEEASALYYSTGCTQLPTLARSFIIQIMISEAR 180

181 FOYIEGEMTRIRYNRS 198

181 FOYIEGEMTRIRYNRS 198

181 FOYIEGEMTRIRYNRS 198

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181 FOYIEGEMTRIRYNRS 198

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

4 protein - protein search, using SW model

on: February 10, 2004, 16:18:30 ; Search time 11.5641 Seconds  
(without alignments)  
731.761 Million cell updates/sec

File: US-10-083-336A-10

Search score: 1029  
Sequence: 1 MIPPKQYPLINFTTACATVQ.....RFOYDEGKTRIRYRBSA 200

Sorting table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database: Issued patents AA:\*

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- 2: /cgm2\_6/prodata/1/aa/58\_COMB.pep:\*
- 3: /cgm2\_6/prodata/1/aa/58\_COMB.pep:\*
- 4: /cgm2\_6/prodata/1/aa/58\_COMB.pep:\*
- 5: /cgm2\_6/prodata/1/aa/58\_COMB.pep:\*
- 6: /cgm2\_6/prodata/1/aa/58\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1029	100.0	268	2	US-08-356-786-8
2	1029	100.0	534	2	US-08-356-786-10
3	1024	99.5	267	1	US-07-901-707-1
4	1024	99.5	267	1	US-07-988-430-1
5	1024	99.5	267	1	US-08-425-336-1
6	1024	99.5	267	1	US-08-488-1138-1
7	1024	99.5	267	1	US-08-477-4848-1
8	1024	99.5	267	2	US-08-646-360-1
9	1024	99.5	267	3	US-08-839-765-1
10	1024	99.5	267	3	US-08-116-389-1
11	1024	99.5	267	4	US-09-610-838-1
12	1024	99.5	267	5	PCT-US92-09487-1
13	1024	99.5	290	1	US-08-378-761A-27
14	1024	99.5	290	1	US-08-485-286-27
15	1024	99.5	290	6	5248606-4
16	1014	98.5	267	2	US-08-218-303-16
17	1014	98.5	267	2	US-08-338-793D-61
18	1014	98.5	267	4	US-08-538-873-1
19	934.5	90.8	540	1	US-08-378-761A-77
20	934.5	90.8	540	1	US-08-485-286-77
21	342	33.2	247	1	US-08-488-1138-6
22	342	33.2	247	1	US-08-477-4848-6
23	342	33.2	247	2	US-08-646-360-6
24	342	33.2	247	3	US-08-839-765-6
25	342	33.2	247	3	US-09-136-389-6
26	342	33.2	247	4	US-09-610-838-6
27	342	33.2	267	1	US-08-378-761A-74

28	342	33.2	267	1	US-08-485-286-74	Sequence 74, Appl
29	342	33.2	289	1	US-07-923-692C-4	Sequence 4, Appl
30	342	33.2	289	1	US-08-184-237-4	Sequence 4, Appl
31	342	33.2	289	2	US-08-488-930-4	Sequence 4, Appl
32	342	33.2	289	3	US-08-484-341-4	Sequence 4, Appl
33	342	33.2	289	3	US-08-483-502-4	Sequence 4, Appl
34	342	33.2	289	4	US-09-726-651A-4	Sequence 15, Appl
35	342.5	32.0	250	1	US-08-324-301-15	Sequence 71, Appl
36	329.5	32.0	250	1	US-08-378-761A-71	Sequence 71, Appl
37	329.5	32.0	250	1	US-08-485-286-71	Sequence 71, Appl
38	323.5	31.4	251	4	US-09-538-873-3	Sequence 3, Appl
39	312.5	30.4	255	1	US-07-901-707-6	Sequence 6, Appl
40	312.5	30.4	255	1	US-07-988-430-6	Sequence 6, Appl
41	312.5	30.4	255	1	US-08-425-336-6	Sequence 6, Appl
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44	312	30.3	290	1	US-08-245-754A-2	Sequence 2, Appl
45	312	30.3	290	2	US-08-597-731-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1  
US-08-356-786-8  
Sequence 8, Application US/08356786  
Patent No. 5877305

GENERAL INFORMATION:

APPLICANT: Huston, James S.  
APPLICANT: Oppermann, Hermann  
APPLICANT: Houston, L. L.  
TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer  
TITLE OF INVENTION: Marker  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Edmund R. Pitcher, Testa, Hurwitz, & Thibault  
STREET: Exchange Place, 53 State Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/356,786  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/631,967  
FILING DATE: 06-FEB-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Pitcher, Edmund R.  
REGISTRATION NUMBER: 27, 829  
REFERENCE/DOCKET NUMBER: CRP-053  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 248-7000  
TELEFAX: (617) 248-7100

INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 268 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

Query Match 100.0%; Score 1029; DB 2; Length 268;  
Best Local Similarity 100.0%; Pred. No. 2.26-112; Indels 0; Gaps 0;  
Matches 200; Conservative 0; Mismatches 0;

Y 1 MIFPKOPIINFTTAAATVQSYTNFIRAVRGRLTGADVHEIPEVLPNRYGLPIINORFLL 60  
 1 MIFPKOPIINFTTAAATVQSYTNFIRAVRGRLTGADVHEIPEVLPNRYGLPIINORFLL 60  
 Y 61 VELSNAELSVTLALDVNTAAYVYGRAGNSAYFFHPDQEDAEIITLFTDVQNRRTFAF 120  
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RESULT 2  
 S-08-356-786-10  
 Sequence 10, Application US/08356786  
 Patent No. 5877305  
 GENERAL INFORMATION:

APPLICANT: Huston, James S.  
 APPLICANT: Oppermann, Hermann  
 APPLICANT: Houston, L. L.  
 APPLICANT: King, David B.  
 TITLE OF INVENTION: BioSynthetic Binding Protein for Cancer  
 TITLE OF INVENTION: Marker  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibault  
 STREET: Exchange Place, 53 State Street  
 CITY: Boston  
 STATE: Massachusetts  
 COUNTRY: USA  
 ZIP: 02109

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/356,786  
 FILING DATE:

CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/831,967  
 FILING DATE: 06-FEB-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Pitcher, Edmund R.  
 REGISTRATION NUMBER: 27,829  
 REFERENCE/DOCKET NUMBER: CFP-053  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 248-7000  
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 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 534 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear

MOLECULE TYPE: protein  
 US-08-356-786-10

Query Match 100.0%; Score 1029; DB 2; Length 534;

Best Local Similarity 100.0%; Pred. No. 6, 1e-112;  
 Matches 200; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 1 MIFPKOPIINFTTAAATVQSYTNFIRAVRGRLTGADVHEIPEVLPNRYGLPIINORFLL 60  
 1 MIFPKOPIINFTTAAATVQSYTNFIRAVRGRLTGADVHEIPEVLPNRYGLPIINORFLL 60  
 Y 61 VELSNAELSVTLALDVNTAAYVYGRAGNSAYFFHPDQEDAEIITLFTDVQNRRTFAF 120  
 61 VELSNAELSVTLALDVNTAAYVYGRAGNSAYFFHPDQEDAEIITLFTDVQNRRTFAF 120  
 Y 121 GANDRLBQLAGLRENIBLGNPLEBAISALYYSTGGTOLPTLASFFICICMISEAA 180  
 121 GANDRLBQLAGLRENIBLGNPLEBAISALYYSTGGTOLPTLASFFICICMISEAA 180  
 Y 181 RFOYIEGEMTRIRYRNSA 200  
 181 RFOYIEGEMTRIRYRNSA 200

Db 63 VELSNAELSVTLALDVNTAAYVYGRAGNSAYFFHPDQEDAEIITLFTDVQNRRTFAF 122  
 122 GANDRLBQLAGLRENIBLGNPLEBAISALYYSTGGTOLPTLASFFICICMISEAA 180  
 Y 123 GANDRLBQLAGLRENIBLGNPLEBAISALYYSTGGTOLPTLASFFICICMISEAA 182  
 123 GANDRLBQLAGLRENIBLGNPLEBAISALYYSTGGTOLPTLASFFICICMISEAA 182  
 Y 181 RFOYIEGEMTRIRYRNSA 200  
 181 RFOYIEGEMTRIRYRNSA 200  
 Y 183 RFOYIEGEMTRIRYRNSA 202  
 183 RFOYIEGEMTRIRYRNSA 202

RESULT 3  
 US-07-901-707-1  
 Sequence 1, Application US/07901707  
 Patent No. 5376546  
 GENERAL INFORMATION:

APPLICANT: Bernard, Susan L.  
 APPLICANT: Better, Marc D.  
 APPLICANT: Carroll, Steve F.  
 APPLICANT: Lane, Julie A.  
 TITLE OF INVENTION: Materials Comprising and Methods of  
 TITLE OF INVENTION: Composition and Use for Ribosome-Inactivating Proteins  
 NUMBER OF SEQUENCES: 57  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &  
 ADDRESS: Bicknell, O'Toole, Gerstein, Murray &  
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 STREET: Street  
 CITY: Chicago  
 STATE: Illinois  
 COUNTRY: USA  
 ZIP: 60603

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/901,707  
 FILING DATE: 19920619  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/787,567  
 FILING DATE: 04-NOV-1991  
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 REFERENCE/DOCKET NUMBER: 27129/30910  
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 TELERX: 25-3856

INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 267 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-07-901-707-1

Query Match 99.5%; Score 1024; DB 1; Length 267;

Best Local Similarity 100.0%; Pred. No. 8, 3e-112;  
 Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 2 IFFPKOPIINFTTAAATVQSYTNFIRAVRGRLTGADVHEIPEVLPNRYGLPIINORFLL 61  
 1 IFFPKOPIINFTTAAATVQSYTNFIRAVRGRLTGADVHEIPEVLPNRYGLPIINORFLL 60  
 Y 62 VELSNAELSVTLALDVNTAAYVYGRAGNSAYFFHPDQEDAEIITLFTDVQNRRTFAF 121  
 62 VELSNAELSVTLALDVNTAAYVYGRAGNSAYFFHPDQEDAEIITLFTDVQNRRTFAF 121  
 Y 61 VELSNAELSVTLALDVNTAAYVYGRAGNSAYFFHPDQEDAEIITLFTDVQNRRTFAF 120  
 61 VELSNAELSVTLALDVNTAAYVYGRAGNSAYFFHPDQEDAEIITLFTDVQNRRTFAF 120  
 Y 122 GANDRLBQLAGLRENIBLGNPLEBAISALYYSTGGTOLPTLASFFICICMISEAA 181  
 122 GANDRLBQLAGLRENIBLGNPLEBAISALYYSTGGTOLPTLASFFICICMISEAA 181